

Reductive Catalytic Amination of Mann Ketoncs,
by N. A. Popov, N. I. Shmikin. UNCL.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1959 1951, pp 140-144.

DSIR LIB (loan) M.214
SLF 5-7-1967

Sci - Chem
May 59

87,892

The Active Structure of the Nickel-Hydrogen Catalyst,
by L. Kh. Freylin, N. I. Ziminova.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1951; pp 145-149.

Assoc Tech Sv
RJ-392

Sci - Chemistry

Aug 1956

FDD U 12-3
\$7.20
36,943

LIAO, ORAN

2, pp. 185-190 (1951)

Investigations in Field of Organic Phosphorus Compds. XVI.-
Reaction of Formaldehyde with Phosphorus Trichloride

8 PP M.I. KABACHNIK,
Y.E.S. Shepeleva

proj 10886

PL. 0-21620

S.S.P. T.T.H.C. T.M.

SR 10 Jan 52

On the Problem of the Energetics of the Formation and
Phase Transformations of Alloys of the System Al-Zn,
22 pp, by LYASHENKO, V. S.

Ak
RUSSIAN, mo per, Iz/Nauk SSSR, Otdel Khim Nauk, No 3,
pp 242-254, 1951.

British Sci Museum No 52/1629

F.A.Z. *me sig*

The Action of Strong Mineral Acids on Some
Phosphoric and Esters, by A. E. Arbuzov, P. I.
Alimov, 9 pp.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Otdelenie
Khimicheskikh Nauk, No 3, 1951, pp 268-272.

Sci Tr Center RT 3611
36,148

Chemistry

Jun 56 CTS

The Reaction of Isoamylmercaptan With Acetylene,
by A. Kh. Khomenko.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, 1951, USSR, pp 280-283.

Assoc Tech Sv RJ-65

Sci - Chemistry \$6.20 (\$0.95)

Aug 54

17,133

Preparation of Monoethanolaryl Amines From
Ethylene Oxide and Aryl Amines, by Yu. K. Yur'ev
et al.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, 1951, USSR, pp 317-320.

Assoc Tech Sv RJ-66

Sci - Chemistry \$6.90 (\$0.95)

Aug 54

17,134

Levina, R.Ya., Fainzilberg, A.A. and others.
SYNTHÈSE VAN KOOLWATERSTOFFEN. RAPPORT
25. SYNTHÈSE VAN ALKENEN MET EEN QUATER-
NAIR KOOLSTOFATOM DOOR PYROLYSÉ VAN
ACETATEN (Synthesis of hydrocarbons. 25. Synthesis
of alkenes with a quaternary carbon atom by means of
pyrolysis of the acetates). 13 p. 31 refs. MTWL:499.
(Text in Dutch)
Order from OTS or ETC \$0.80 61-17018

Trans.of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya (USSR) 1951, no.3, p.321-327.

61-17018
1. Hydrocarbons - Synthesis
2. Ethylenes - Synthesis
I. Levina, R.Ya.
II. Fainzilberg, A.A.
III. MTWL-499
IV. Stichting Moeilijk Toeganke-
lijke Wetenschappelijke Lite-
ratuur

Office of Technical Services

Synthesis and Transformations of Vinyl Ethers of
Ethanolamines. I. Vinylation of Monoethanolamine,
by M. P. Shostakovskiy et al.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, 1951, USSR, pp 328-333.

Assoc Tech Sv RJ-67

Sci - Chemistry , \$9.90 (\$1.35)

Aug 54

17,135

Thermographic Investigation of Phosphates. Part I.
Thermal Dehydration of Dicalcium Phosphate Dihydrate,
by S. I. Vol'fkovich and V. V. Urusov.

Full translation.

RUSSIAN, bmo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk. No 4, 1951, pp 341-349.

Assoc Tech Sv Tr RJ-99

Scientific - Chemistry

Mar 53 CIS

\$17.60 (\$2.25)

Reaction of Potassium Peroxide With Carbon
Dioxide, by S. Z. Makarov, I. Vcl'nov.
RUSSIAN, per, Izvestiya Akademii Nauk, Otdeleniya
Khimicheskikh Nauk SSSR, No 4, 1951, pp 370-376.
NASA TT F-11,478

Sci
Dec 68

371,103

Conference on the Theory of Structure in
Organic Chemistry.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1951, pp 634-652.

DSIR LNU M.1338

(loan)

Bei - Eng Chem

Apr 60

112, 664

SL FEB 1960

On the Method of Thermal Analysis of Systems with a
Volatile Component, by B. A. Nikitin, M. P.
Kovalskaya, Pushlenkov, 6 pp.
AF.

RUSSIAN, Per, Iz Ak Nauk SSSR: Otdel Khim Nauk,
1951, No 6, pp 661-665.

SLA 59-10278

Sci OTS 61-17278
Oct 59
Vol 2, No 3

99 876

Electron Diffraction Investigation and Crystal Chemistry of $KPtCl_3NH_3$ and $KPtBr_3NH_3$, by G. B. Bokyi, B. K. Vaynshtein, A. A. Babareko, 12 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 667-673.

Sci Tr Center 39, 859
RT-4051

Sci-~~Chemistry~~ Chemistry
Oct 1956 CTS/dex

Isomerization of Olefinic Hydrocarbons Over
Aluminosilicates, by A. A. Petrow

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1951, pp 747-752.

Assoc Tech Sv, RJ-127

SL1 R 1901

Scientific - Chemistry Price \$12.80

AVGCT 5/0EX

17.223

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins, Part VI. Hydrocondensation of
Carbon Monoxide With n-Butylene, by Ya. T. Bydus

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1951, pp 722-727.

Assoc Tech Sv, RJ-130

Scientific - Chemistry
Aug CIB/ DEX Price \$9.00

17,225

Stakheeva-Kaverzneva, E. D. and Salova, A. S.
CHEMICAL CHANGES OF CELLULOSE MICROMOLECULE UNDER

THE ACTION OF OXIDIZING

AGENTS. IV. Lactone links in the macromolecule
of oxycellulose and their effect on determination
of carboxyl groups by condensation with hydroxylamine.

Invest. Akad. Nauk. SSSR., Odtek. Khim. Nauk 1951: 782-790.

RUSSIAN

PL 480
ARS

APR 61

Chemical Changes of Cellulose Macromolecule Under the
Action of Oxidizing Agents. Part 5. Proof of Existence
of ~~oxymerk~~ alpha-hydroxymonoketone groups in Oxycellulose,
by E. D. Stakheyeva-Kaverzneva.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk 1951,
pp 791-794.

*PL 480
ARS

aper 61

Effect of Very High Pressures on the Catalytic Activity of Aluminum Oxide, by L. F. Vereshchagin, L. K. Freidlin, A. M. Rubinstein and I. U. Numanov, 1.0 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 809-818.

Assoc Tech Serv

RJ-129

SLA 1902

Sci

Aug 58

~~██████████~~

17, 224

The Distribution of β -electron Density and Interatomic Distances, by G. V. Bykov.

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6,
USSR, 1951, pp 823-828.

AEC Tr 1341

Scientific - Physics

Aug 52 CTS

DEX

RUSSIAN, per, Iz AK Nauk, Otdel Khim Nauk, 1952,
translated for the entire year, one issue has just been
printed, two more are typed and now ready to go to press

Consultants Bureau
152 West 42nd Street
New York 18, N. Y.

Synthesis of 1,10-Decanedicarboxylic and
1,14-Tetradecanedicarboxylic Acids, by
A. N. Nesmeyanov, et al,
RUSSIAN, per, Izv. AN SSSR Otdel. Khim.
Nauk, No 4, 1955, pp 657-664.
HLL 5828.4F (5906)

Sci-CheM
Apr 67

524,168

Derivatives of Perfluodiacylcarboxylic Acids, by
I. L. Knunyants, M. P. Krasuskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1963, pp 190-192.

*FTD-TT-63-463

Sci - Chem
May 63

Synthesis of Cesium Ozonide Through Cesium Superoxide, by I. I. Bol-nov, V. V. Matveyev, 9 pp.
RUSSIAN, per, Izvestiya Ak Nauk SSSR, Otdel
Khim Nauk, No 6, 1963, pp 1136-1139. 9692329
FTD-TT-64-194

Sci ~ Chem
May 64

257,649

Shcheglova, A. P., Bogdanova, O. K., and
Balandin, A. A.
CATALYTIC DEHYDROGENATION OF THE ISOMERIC
ISOPENTENES. PT. 2 DEHYDROGENATION OF
2-METHYL-1-BUTENE AND 3-METHYL-1-BUTENE.
[Jan 64] 7p
Order from ATS \$8.50

ATS-27Q73R

Trans. of #Akad[emiya] Nauk SSSR. Otd[elenie]
Khim[icheeskikh] Nauk. Izv[estiya] 1963, no. 7,
p. 1210-1215.

DESCRIPTORS: *Pentenes, Molecular isomerism,
*Dehydrogenation, Catalysts, Methyl radicals,
*Butenes.

(Chemistry--Organic, TT, v. 11, no. 10)

TT-64-12375

- I. Title: 2-methyl
1-butene
- II. Shcheglova, A. P.
- III. Bogdanova, O. K.
- IV. Title: Dehydrogenation...
- V. ATS-27Q73R
- VI. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

<p>Bogdanova, O. K., Shcheglova, A. P., and Balandin, A. A. CATALYTIC DEHYDROGENATION OF THE ISOMERIC ISOPENTENES PT. 3. EFFECT OF STRUCTURE ON THE CATALYTIC CONVERSION OF ISOPIENTENES. [Jan 64] Sp Order from ATS \$8.50 ATS-28Q73R</p> <p>Trans. of #Akad [emiyn] Nauk SSSR. Otd [elenie] Khim [cheekhik] Nauk. Izv [estiya] 1963, no. 7, p. 1215-1219.</p> <p>DESCRIPTORS: *Pentenes; Molecular isomerism, *Dehydrogenation, Catalysts, Molecular structure. (See also ATS-27Q 73R)</p> <p>(Chemistry--Organic, TT, v. 11, no. 10)</p>	<p>TT-64-12376</p> <p>I. Bogdanova, O. K. II. Shcheglova, A. P. III. Balandin, A. A. IV. ATS-28Q73R V. Associated Technical Services, Inc., East Orange, N. J. VI. Title: Effect . . .</p> <p>Office of Technical Services</p>
--	--

The Reaction of Propylene with Palladium Chloride
in Acetic Acid Solutions, by I. I. Moyseyev.
RUSSIAN, per, Izv Ak Nauk SSSR, Otd Khim Nauk,
No 8, 1963, pp 1527-1528.
ATS RJ-5176

Sci-Chem
July 69

385,743

The reaction of the nitrogen atoms
Rate Constant and the Mechanism of the Elementary
Reaction of Nitrogen Atoms With Acetylene, by
L. I. Avramenko, V. M. Krasnenkov, 10 pp.
RUSSIAN, per Iz Ak Nauk Otdel Khim Nauk Ser
Khim, No 5, 1964, pp 822-825. 9220082
AEC-IS^uTr-12

Sci-Chem
Jul 65

282,641

Thermodynamics of Tungsten Carbides, by
V. I. Alekseev, L. A. Shvartsman.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim. Nauk
Metallurgiya i Gornoe Delo, No 1, 1963, pp 91, 961.

NDBI 3321

Sci - Phys
Oct 63

345, 395-

(SF-1433).

Viktor Vladimirovich Vinogradov, by N. S. Pospelov,
16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatury i
Jazyka, Vol XIV, 1955.

JPRS 4429

USSR

Biog

143, 606

Mar 61

J-4986

(IC-2949).

Egyptian Literature at a New Stage, by A. F.
Sultanov, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatur';
Yaz'ka, vol XIV, No 1, 1955, pp 63-72.

JPRS-L-1791-D

NE/A - Egypt
Soc - Culture, Egyptian Literature
Jul 59

92, 859

Theoretical Problems of Linguistics, 11 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatury
i Yazyka, Vol XVIII, No 3, May/Jun 1959,
pp 209-216.

JPRS 6236

Sci - Misc

Dec 60

134,16.2

10-2011-1

Discussion of the Question of Structural Methods in
Linguistics and of Mathematical and Applied
Linguistics, by B. V. Gornung, 5 pp.

BURSAK, V. V., Iz Akad. SSSR, Otdel. Literatury i
iazyka, Vol. XIX, No. 1, Jan/Feb 1960, pp. 60-62.

JPRS 6236

Sci. -- Misc

Dec 60

134,165

(DE-BAM/23)

Remarks on the "Introduction" (to "Theoretical
Problems of Linguistics"), by A.M. Chikobava,
17 pp.

AUSTRIA, Ger., In Almanach SCHEID, Oeffentl. Literaturhury
a. Vaylysh, Vol XXX, No 1, Jan/Feb 1960,
pp 63-71.

JPRG 6236

Sci - Misc

194/63

Dec 60

Concerning the Problematic Report on "Methodological
Problems of Linguistics", by S. K. Shatryan, 7 pp.

RUSSIAN, por, Iz Ak Nauk SSSR, Otdel Literatury
i Vnesh., II Vol XIX, No 1, Jan/Feb 1950, pp 71-78.

JPRS 6236

Scl - file

Dec 60

124/104

(DC-3901/23)

Concerning Work on the Structural Analysis of
Language, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatury
&azyika, Vol XIX, No 1, Jan/Feb 1960,
pp 74-77.

JPRS 6236

Sci - Misc

134,158

Dec 60

(DC-6877)

THE 22ND CONGRESS OF THE CPSU AND THE TASKS
OF THE PHILOLOGICAL SCIENCES, BY V. V.
VINOGRAOV, 27 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL
LITERATURA I YAZHYKA, VOL XXI, NO 1, JAN/FEB
1962, PP 3-13.

JPRS 14391

USSR
POL
JUL 62

202,303

<p>Smirnov, N. N. CONCERNING THE DEVELOPMENT OF ENGLISH NOUNS AFTER MIGRATION INTO NEW COUNTRIES (EXEMPLIFIED BY THE NAMES OF AQUATIC ANIMALS AND PLANTS). [1962] 10p. 18 refs. Order from OTS or SLA \$1.10 62-20408</p> <p>Trans. of <u>Akademija Nauk SSSR. Ordelenie Literatury i Yazyka. Izvestiya</u>, 1962, v. 21, no. 1, p. 34-40.</p> <p>DESCRIPTORS: *English language, *Philology, Plants, Aquatic animals, *Marine biology, Quantitative analysis, Vocabulary.</p> <p>A complete collection (4698 terms) was made of names of aquatic plants and animals commonly used in various English-speaking countries. A quantitative comparative analysis of this category of English nouns showed that development took place along similar lines in all the (Social Sciences, TT, v. 9, no. 12) (over)</p>	<p>62-20408</p> <p>I. Smirnov, N. N.</p> <p>Office of Technical Services</p> 
--	---

(DC-3901)

URGENT PROBLEMS OF STRUCTURAL LINGUISTICS,
BY S. K. SHAUMYAN, 15 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL LITERA
I YAZYKA, VOL XXI, NO 2, MAR/APR 1962,
PP 103-111.

JPRS 14252

SCI - MISC
MACHINE TRANSLATION

201,936

On the Rate of Fall of Solid Particles in a
Vibrating Viscous Medium, by C. D. Krasnov
and Yu. N. Mayevskiy,
RUSSIAN, per, Izv. AN SSSR OTN Metallurg. i
Gorn. Delo, 1964, No 5, pp 179-184.
MLL 9022.84B 1966 (1293)

Sci-Chem
Apr 67

522,794

Propagation of Disturbances in Nonhomogeneous
Isotropic Media, by V. Ignatovskiy, 54 pp.

RUSSIAH, per, Iz Ak Nauk SSSR, Otdel Matemat
i Estvennykh Nauk, Vol V, No 7, 1932,
pp 857-905.

Air Res and
Dev Command

13,615

Scientific - Physics

CTS/DEX

Wave Propagation and Refraction in Nonhomogeneous Isotropic Media, by V. Ignatovskiy,
16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat
1 Estvennykh Nauk, Vol V, No 3, 1932,
PP 1203-1218.

Air Res and
Dev Command

Scientific - Physics CTB/DEX

13,616

Problem of the Torsion of a Circular Cylinder
Reinforced with a Longitudinal Circular Rod,
by A. K. Rukhadze, I. N. Vekua,

RUSSIAE, par, Iz Ak Nauk, VII Seriya. Otdel
Matemat i Estestvennykh Nauk, N 3, 1933,
pp 373-386.

Sci Cr Center
EMR T.456

18,940

Scientific - Mathematics

Vernal and Hinal Races Among Anadromous Fishes,
by L. S. Berg.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i
Estestvennykh Nauk, No 5, 1934, pp 711-732.

Dept of Interior
QH301, C273, No 206

Sci - Biol
Sep 60

127,961

The Interaction of Genes Affecting the Wing in
Drosophila Melanogaster, by N. V. Dubovskiy.

14A
MUBSTAN, par, Izvest Ak Nauk SSSR, Otdel Mat Est,
Nauk, VII series, 1935, pp 1163-1168.

wPL 480
HJM

Mar 61

Description of a New Species *Pothagonus Occidentalis*
(*Agonidae, Pisces*) From the Sea of Japan, by
G. U. Lindberg.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i
Yestestvennykh Nauk, No 8/9, 1935, pp 1223-1227.

Ichthyological Laboratory
U.S. National Museum,
Washington, D. C.

Sci - Biol
Feb 63

1.2.2.572

The Extension of Schreinemakers' Method to
Multicomponent Systems, by F. Perel'man, 11 pp.
UNCLASSIFIED

RUSSIAN, por, Iz Ak Nauk, Otdel Mat i Estestv.
No 2, 1936, 379-385.

ABC Tr 1914

15,135

Scientific - Mathematics

15,135

Polymerization of Butadiene in Emulsions.
II. Effect of Polymerization Factors,
By K. Petrova, A. Durovaylova, S.

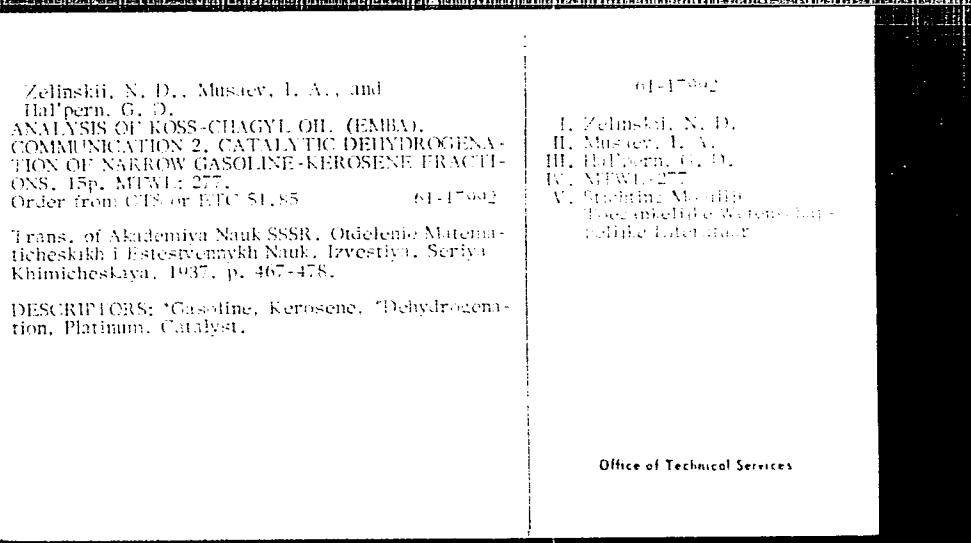
Dzagikin, 1936;
RUSSIAN, por. Akademiya Nauk SSSR,
Otdelenie Matematicheskikh i Estest-
vennykh Nauk. Izvestiya, 1936, pp
403-422.

SLA TI-61-18066

NLL Ref: 3630-48 (DTG-108)

333, 801

Sci
Jul 67



Kazanski^f, B.A. and Smirnova, N.V.
HYDROGENATION OF AROMATIC HYDROCARBONS
BY MEANS OF CALCIUM-AMMONIA. 11 p. 10 refs.
MTWL: 608.
Order from OTS or ETC \$1.55

61-17247

Trans. of Akademiya Nauk SSSR, Otdelenie Matematicheskikh i Estestvennykh Nauk, (Izvestiya), 1937,
p. 547-554.

DESCRIPTORS: *Benzene, Hydrocarbons, Calcium,
Ammonia, *Hydrogenation.

61-17247

I. Kazanski^f, B.A.
II. Smirnova, N.V.
III. MTWL-608
IV. Stichting Moeilijk
Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Equilibrium Diagram for the System Aluminium-Lithium, by F. I. Shamrai, P. Ya. Sal'dau.

RUSSIAN, per, Iz Ak Nauk Otdel Matematicheskikh Nauk, 1937, pp 631-640.

Fulmer Research Inst., Ltd.

Tr 65 OR/1721

Sc. Mus Lib - 66/0587

Sci - Minerals/Metals, Physics

36, 312

Jun 1956

Experimental Study of Surface Solvation in
Developing a Mathematical Theory of Stable
Lyophilic Colloids, by B. Deryagin, M. Kusakov,
52 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat
i Yestestvенных Nauk, 1937, pp 1119-1150.
9683134

PTD-TT-62-1564

232,446

Sci-Phys
Jun 63

On the Theory of Passivity and the Corrosion of
Metals, by P. D. Dankov, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i
Estest Nauk, 1938, pp 1249-1254.

Sci Trans Center
RT-2372

26,735

Scientific - Chemistry
Min/Metals Sep 55 CTS/DEX

Oxide Films on Metals. I., by P. D. Dankov, N. A. Shishakov, 31 pp.

RUSSIAN, ~~Ms.~~, Izvestiya Akademii Nauk SSSR. Otdelenie Matematicheskikh i Estestvennykh Nauk, 1933,
pp 1225-1248.

Sci Tr Center RT-2576

USSR
Scientific - Chemistry

28,267
Nov 55
CTS/DEX

Serological Investigations in Connection with
Distant Hybridisation, by I. I. Sokolovskaya.
RUSSIAN, per, Izvestiya Akad. наук СССР Отд. мат.
наук, 1938, pp 947-956.
NLL Ref: RTS 4043

Sci/B & M
Feb 68

349,652

Dubovsky, N. V.

The Interaction of Genes Affecting the Wing in
Drosophila Melanogaster.

RUSSIAN, per, Iz. Ak Nauk SSSR. Otdel Matem i yestest
Nauk, Ser Bisl, 1935, pp. 1163-1168.

*FL 480
OTS 61-31007

Nov 61

Belgovsky, M. L.

Dependence of the Frequency of Minute Chromosome
Rearrangement in D.m. Upon X-Ray Dosage.

RUSSIAN, per, Iz. Ak. Nauk SSSR, Ser. biol., II, 1939,
pp. 159-170.

*PL 480
OTS 61-11484

Nov 61

Prokofyeva-Belgovskaya, A. A.

Cytological Study of the Breaks at the White Locus of
the X-Chromosome of D.m.

RUSSIAN, per, Izv. Ak Nauk SSSR. Ctd. Mat. Ser. biol.,
Vol. II, 1939, pp. 215-227.

*PL 480
OTS 61-11483

Nov 61

Prokofyeva-Belgovskaya, A. A.

Cytological Study of the "Simple Breaks" in the
Inert Region of the Scute 8 Chromosome of D.m.

RUSSIAN, PER, Iz. Ak. Nauk SSSR, Otd. Mat., Ser. biol.
1939. pp. 349-361.

*PL 480
OTS 61-11482

Nov 61

Prokofyeva-Belgovshaya, A. A.

Inert Regions in the Inner Part of the X- Chromosome
D.m.

RUSSIAN, per, Iz. Ak. Nauk SSSR Otd. mat. Ser. biol.,
Vol. II, 1939, pp. 362-370.

*PL 480
OTS 61-11481

Nov 61

Cytological Study of the Breaks at the White Locus
of the X-Chromosome of D. m., by A. A. Prokofyeva-
Belgovskaya.

RUSSIAN, per, Izvestiya Ak Nauk SSSR, Otd Mat - mat,
ser Biol, 1939 No 2, 1939, pp 215-227.

SPZ 480
NIM

Mar 61

Geological Results of Gravimetric Surveys in Central
Asia and Southwestern Kazakhstan, by A. D.
Arkhangel'skiy, V. V. Fedynskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Matemat i
Vestest Nauk, Ser Geolog, No 1, 1936, pp 3-33.

ACIC

Sci - Geophys

215,896

Oct 62

Selection of a Suitable Reduction of Gravity for the
Solvation of Geological Problems, by Ye. N. Lyustikh.

MESSIAE, per, Iz Ak Nauk SSSR, Otdel Matemat i Vystest
Izuk, Ser Geolog, No 4, 1938, pp 659-666.

ACIC

Ici - Geophys

Lat 62

212,897

Functions in Normed Closed Algebraic Fields,
by L. G. Shnirel'man.

RUSSIAN, per, Iz Ak Nauk Otdel Matemat i Yestestv
Nauk Seriya Matemat, No 5-6, 1938, pp 487-498.

*Navy/APL 277

Sci - Math & Data Process
Sep 63

Electron-Microscope Investigation of the
Initial Stages of Fatigue Breakdown, by
V.A. Ivanova.
RUSSIAN, per Izv. Akad. Nauk. SSSR Otd.
Metall. Gorn. Delo, No. 6, 1964, pp 125-128
NLL/9022.03 1965 (3737)

Sci -
Aug 67

337-481

RUSSIAN, per, Izvest. Akad. Nauk SSSR, OTN,
Metallurgiya i Teplovo, No 1, Jan-Feb. 1961, pp 24-30.
HB 6371

Sci/M&M
Apr 65

277,099

Evaluation of Fatigue Resistance of Large
Sized Construction Details From the
Results of Tests of Model Samples, by R. D. Veyarov,
L. A. Khripina, O. I. ~~ШИШОРИН~~ Shishorina,
14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel.
Tekh Nauk.

SLA 60-17372

Sci
Vol IV, No 7
Apr 62

193 880
17372

Theories of plastic deformations by Applied Mathematics Group, Brown University
U.S. Navy Dept David W. Taylor Model Basin
Providence R.I. RIB-14 1946 29p illus

Trans. from Izvestiya Akademii Nauk SSR Otdelenie Tekhnicheskikh Nauk 1937 ncl, p49-70

EIF 52,707

669.1-T
General
53-T

Tricalcium Phosphate and its Thermal Properties,
by E. V. Britzke and V. K. Veselovskiy, 14
pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 4, 1937, pp 479-488.

SLA R-2578

Sci

72, 728

Aug 58

Stresses and Strains in Thick-Walled Cylinders in the
Elastic-Plastic State, by N. M. Belyaev, A. K.
Sinitskiy, 88 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2,
1938, pp 3-54.

Sci Trans Center RT-360

10,885

Scientific - Physics
CTS/DEX

<p>Porai-Koshits, B. A. and Efros, A. M. INVESTIGATION IN THE FIELD OF FLUORENE. I CONDENSATION OF 2,7-DIAMINOFLUORENE WITH PHthalic ANHYDRIDE (EXPERIMENTAL PART) Z. [D.] Knowles, tr. 15 Nov 50, 19p Order from OTS, SLA, or ETC \$1.60 TT-61-28208</p> <p>Partial trans. (p. 51-58) of Akad[emiya] Nauk SSSR. Otdel[enie] Tekhnicheskikh Nauk. Izvestiya 1938, no. 3, p. 43-60.</p> <p>DESCRIPTORS: *Phthalic anhydride, Condensation reactions, *Amines, *Fluorenes, Chemical analysis.</p> <p>(Chemistry--Organic, TT, v. 11, no. 5)</p>	<p>TT-61-28108</p> <p>I. Porai-Koshits, B. A. II. Efros, A. M. III. Title: Condensation... IV. National Institutes of Health, Bethesda, Md.</p> <p>Office of Technical Services</p>
---	---

Stresses and Strains in Thick-Walled Cylinders in
the Elastic-Plastic State With Allowance for Strain-
Hardening, by N. M. Belyaev, A. K. Sinit斯基, 40 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4,
1938, pp 21-49.

Sci Trans Center RT-293

Scientific - Physics
CTS/DEX

10,886

reduce Oxidation of Metals in the Surrounding Air,
N. N. Krylova. UNCLASSIFIED

TEKHN., par, Iz Ak Nauk, Otdel Tekh Nauk, No 10,
1980, pp 89-112.

Navy Tr 1063/NRL 493

Scientific - Min/Metals

18,846
RT-1616

Lukyanov, V. S.
HYDRAULIC APPARATUS FOR ENGINEERING COMPUTATIONS, tr. by Dmitry Vergun. Permafrost Investigations, 1955. Jm 55 [32p] ACFEL Trans. 26. Order from OTS, SLA, or ETC TT-63-15696

Trans. of Akademija Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1939, no. 2, p. 53-67.

DESCRIPTORS: *Analog computers, *Hydraulic models, Temperature, Concrete, Permafrost, Soil mechanics, Differential equations, Civil engineering.

(Engineering--Civil, TT, v. 11, no. 5)

TT-63-15696

- I. Lukyanov, V. S.
- II. Title: Permafrost ...
- III. ACFEL Trans-26
- IV. Arctic Construction and Frost Effects Lab., Corps of Engineers, Waltham, Mass.

Office of Technical Services

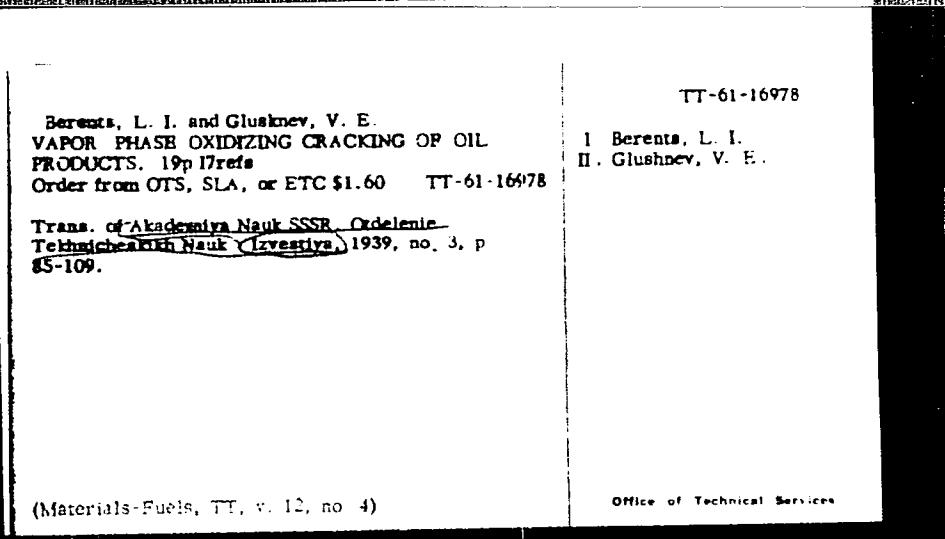
Prandtl's Two-Dimensional Theory of Plasticity and
the Theory of Earth Pressure, by V. V. Sokolovskiy,
35 pp.

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2,
1939, pp 107-128.

Sci Trans Center RT-297

Scientific - Physics
CTS/DEX

10, 911



The Two-Dimensional Problem of the Steady Oscillations
of Bodies Under the Free Surface of a Heavy Incom-
pressible Liquid, by N. E. Kochin, 41 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk, No 4,
1939, pp 37-62.

Sci Mus Lib No 56/3064

Sci - Physics

44, 032

Precise Measurements for the Determination of the Strength
of Coke Materials, by K. I. Sjiskov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2,
1940, pp 41-48

*BISI 2398

Sci - Engr

CRL/T. Q76

Sep 61

list 110

Volarovich, M. P.
EFFECT OF PRESSURE UP TO 1000 KILOGRAMS
PER SQUARE CENTIMETER ON THE VISCOSITY OF
HIGHLY VISCOUS LIQUIDS SUCH AS LUBRICATING
OILS. [1961] 7p. 14 refs.
Order from OTS or SLA \$1.10

61-16956

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 3, p. 27-34.

DESCRIPTORS: *Lubrication, *Oils, *Viscosity, Liquids, Pressure, Temperature, Test equipment.

A special apparatus for examination of the viscosity of liquids or molten solids at elevated pressures and temperatures is described. With the aid of this apparatus, automobile oils, cylinder oil, aviation oil, machine oil, a residual oil, rosin and two sugar solutions in glycerin were tested. The viscosity of the lubricating oil was found to greatly increase with rise of the (Materials--Fuels, TT, v. 6, no. 9) (over)

61-16956

I. Volarovich, M. P.

185413

Office of Technical Services

Relationship Between the Laws of the Distribution
of Crystals by Dispersion and the Kinetics of
Crystallization, by S. Z. Roginskii, O. M. Todes.
RUSSIAN, per, Izv. AN SSSR OTN, No 3, 1940,
pp 331-348.
NLL 5828.4F (11775)

Sci - Chem
Sept. 67

340,360

Kusakov, M. M. and Zinchenko, K. E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA
IN OIL TECHNOLOGY. I. MOLECULAR SURFACE
PROPERTIES OF OILS. [1961] 10 p. 19 refs.
Order from OTS or SLA \$1.10

61-16832

I. Kusakov, M. M.
II. Zinchenko, K. E.
III. Title: Molecular...

Trans. of Akademiya Nauk SSSR, Odelenie
Tekhnicheskikh Nauk, Izvestiya, 1960, no. 4, p. 19-30.

DESCRIPTORS: *Oils, USSR, Physical chemistry,
Molecules, Surface properties, *Petroleum industry,
Recovery.

The surface tension of ten crude oils from the most
important Soviet fields and of their solutions in non-
polar medicinal oil and non-polar gasoline at the inter-
face with water were determined as a part of an in-
vestigation of molecular surface characteristics of
crude oils. The surface tension of aqueous and aqueous-
alkali extracts of these oils at the boundary with air
were also determined. These measurements revealed
(Chemistry--Physical, TT, V. 6, no. 6) (over)

176587

Office of Technical Services

<p>Gerasimov, M. M. and Glushnev, V. E. CRACKING OF GDOV SHALE TAR. [1961] 6p. Order from OTS or SLA \$1.10</p> <p>Trans. of Akademiya Nauk SSSR. Odelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 4, p. 29-35.</p> <p>DESCRIPTORS: *Coal tar, *Hydrocarbons, Decomposition, Gasoline, Shales.</p> <p>A steam distilled fraction of shale tar boiling at 200-360°C. and amounting to 60% by weight on the tar was cracked in the vapor and in the liquid phase. Up to 25% gasoline was obtained in the vapor phase at the optimal cracking temperature of 575-600°. At 550°, a pressure distillate was obtained of a lighter fractional composition, but its degree of unsaturation was higher. The vapor phase cracked gases contain up to 40% unsaturated compounds. Liquid phase cracking under 11-75 atmospheres pressure at 375-425°C. gave up to 26.4% gasoline of an inferior quality in comparison (Engineering--Chemical, TT, v. 6, no. 5) (over)</p>	<p>61-16890 I. Gerasimov, M. M. II. Glushnev, V. E.</p> <p>180526</p> <p>Office of Technical Services</p>
--	---

Mathematical Analysis and Determination of the
Strength of Lump Material, by K. I. Syskov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1940, pp 41-48.

BIBI 2398

Sci - Engr'

204, 676

Jul 62

list 140

(FDD 25094)

Two-Dimensional Problem of the Motion of a Wing
Under the Surface of a Heavy Liquid of Finite Depth,
by A. I. Tikhonov, 34 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, Moscow/Leningrad, 1940, pp 57-78.

CIA/FDD/U-7468

USSR
Sci - Physics, aerodynamics
CTS Nov 55

29, 855

<p>Kusakov, M., Prokof'eva, E., and Faingluz, E. PHYSICAL CHEMISTRY OF SURFACE PHENOMENA IN OIL TECHNOLOGY. III. WASHING OFF UCHTA OIL FROM THE NATURAL ROCKS. [1961] 11p. 5 refs. Order from OTS or SLA \$1.60</p> <p>Trans. of Akademiya Nauk SSSR. Ordzhonikidze Tekhnicheskikh Nauk. Izvestiya, 1940, no. 5, p. 49-58.</p> <p>DESCRIPTORS: *Oils, Recovery, USSR, *Petroleum Industry, Wetting agents, Surface properties, Rock, Physical chemistry.</p> <p>The most production of oil from the Uchta field can be obtained by washing off the oil with weak solutions of alkali, such as soda, sodium hydroxide or potassium hydroxide. Measuring the surface tension of the aqueous alkali extracts revealed that there is no reason to fear: that the Uchta oil will be leached out by the alkalies (Chemistry--Physical, TI, v. 6, no. 6) (pwv)</p>	<p>61-16831</p> <p>I. Kusakov, M. II. Prokof'eva, E. III. Faingluz, E. IV. Title: Washing...</p> <p>176586</p> <p>Office of Technical Services</p>
---	--

Berents, L. I.
THE CHARACTER OF DECOMPOSITION OF MIXTURES OF OCTANE AND ISOCTANE. [1961] 5p.
7 refs.
Order from OTS or SLA \$1.10

61-16885

I. Berents, L. I.

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 8, p. 47-50.

DESCRIPTORS: *Hydrocarbons, Decomposition,
*Octanes.

Cracking of mixtures of pure normal octane and 2, 2, 4-trimethylpentane in a quartz coil at 580° C. and 1-1.3 second reaction period was investigated in an attempt to determine the mechanism of the reaction. The results indicate that the reaction is not unimolecular. The curve for the dependence of the rate of cracking upon the composition of the mixture possesses a maximum revealing a mutual effect of the two hydrocarbons in their thermal conversion. (Author)

(Chemistry--Organic, TT, v. 6, no. 5)

61-16885

180513

Office of Technical Services

Berents, L. I. VELOCITIES OF CRACKING OF NARROW OIL FRACTIONS AND THEIR MIXTURES. [1961] 7p. 13 refs. Order from OTS or SLA \$1.10	61-16886 I. Berents, L. I. Trans. of Akademiya Nauk SSSR. Ordelenie Tech- nicheskikh Nauk. Izvestiya, 1940, n. 9, p. 99-108. 61-16886	180525 Office of Technical Services
--	---	--

SFVIK, I.

Bulletin de L'acad. des Sciences de L'urss,
no. 4, 6 figures, 3 tables, 470-word con-
densed translation; 1941 (1AN-07XN)

Viscosity of Titaniferous Elast Furnace
Slags and the Smelting of Crude Titan-
ferous Magnetites with Coke.

Brutcher Trans, Order No. 1519, \$7.05